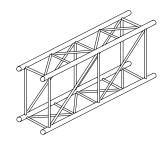


DETAIL OF END CAP CASTING (DRIVE FIT TYPE)

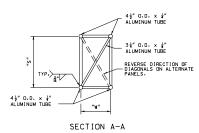


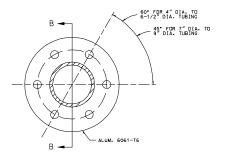
DETAIL OF ALTERNATE END CAP

NOTE: WHEN THE VERTICALS, STRUTS AND SWAYS OBSTRUCT THE PLACING OF BOLTS IN THE FLANCES THESE MEMBERS MAY BE MOVED BACK IN ORDER TO CLEAR THE BOLTS. (ONE SIDE OF SPLICE ONLY).

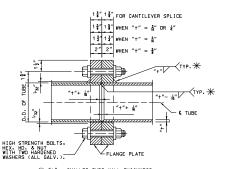


TYPICAL ISOMETRIC VIEW OF TRUSS





PLAN OF FLANGE PLATE



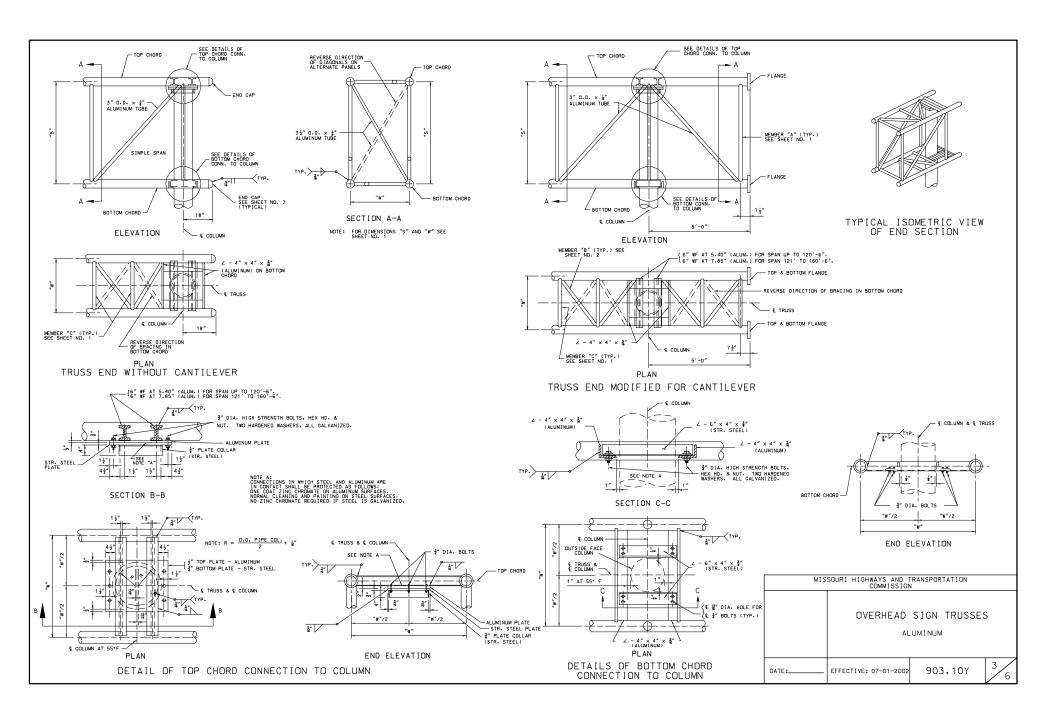
* "+" = SMALLER TUBE WALL THICKNESS.
SECTION B-B

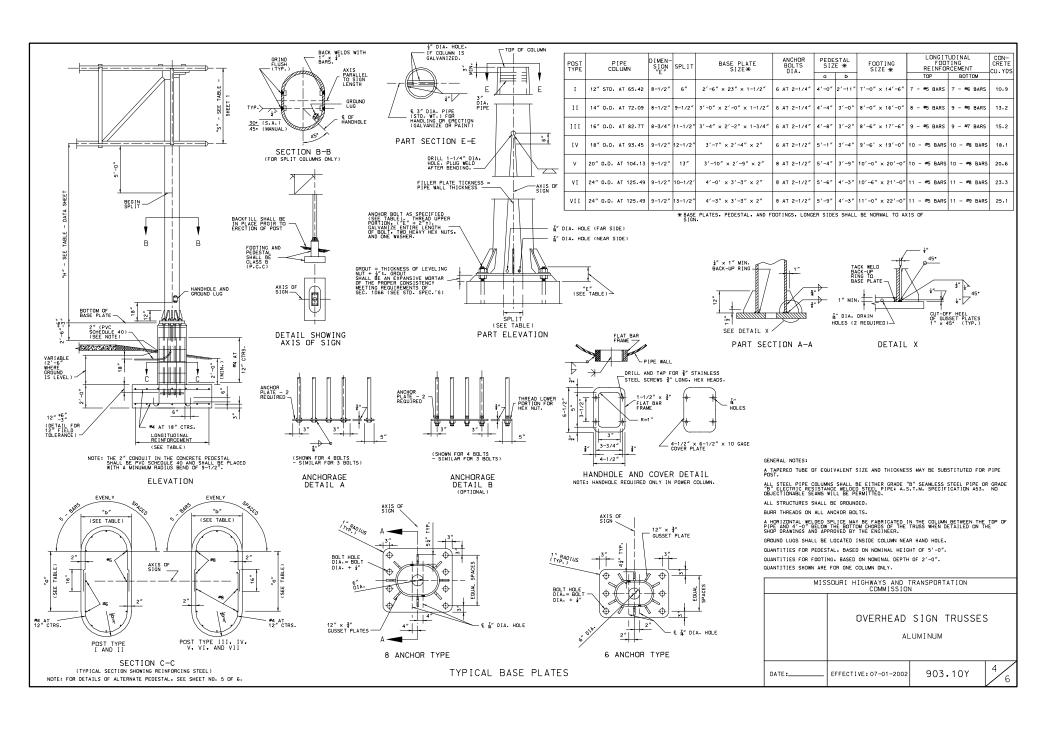
NOTE: A WELDING SEQUENCE ASSURING FULL CONTACT OF FLANGE FACES SHALL BE REQUIRED.

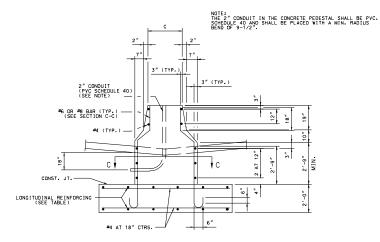
DRILL OR REAM FLANGE HOLES 1/2" LARGER THAN NORMAL DIAMETER OF BOLTS OR TUBING.

TUBE SIZE	BOLT NO. TORQUE	
4" DIA. TO ALL DIAMETERS	6-3/4" DIA.	320 FT.LB. OR ONE-HALF TURN
4-1/2" DIA. THRU 6-1/2" DIA.	6-3/4" DIA.	320 FT.LB. OR ONE-HALF TURN
7" DIA. THRU 7-1/2" DIA.	8-3/4" DIA.	320 FT.LB. OR ONE-HALF TURN
8" DIA. THRU 9" DIA.	8-7/8" DIA.	470 FT.IB. OR ONE-HALF TURN

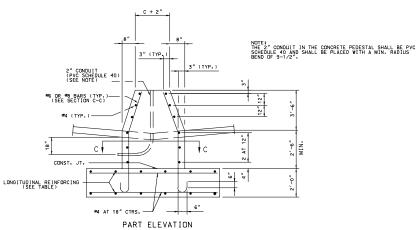
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION					
OVERHEAD SIGN TRUSSES ALUMINUM					
DATE:	EFFECTIVE: 07-01-2002	903.10Y	2/6		







PART ELEVATION (TYPE A CONCRETE TRAFFIC BARRIER)



PART ELEVATION
(TYPE C CONCRETE TRAFFIC BARRIER)

C + 18 " 5 - #6 BARS TYP.) Typ.) 5 - #6 BARS	C + 18" 5 - #8 BARS 3" (TYP.) 80 ST TO THE BARS 48 BARS 48 BARS 5 - #8 BARS 5 - #8 BARS 5 - #8 BARS
POST TYPE	POST TYPE
1 AND 11	III. IV. V. VI. AND VII

SECTION C-C TYPICAL SECTION SHOWING REINFORCING STEEL

DETAILS OF ALTERNATE PEDESTAL (TO BE USED ADJACENT TO TYPE "A" MEDIAN BARRIER)

POST TYPE	PIPE	PEDE SIZ	STAL E *	FOOTING SIZE *	F00	TUDINAL TING RCEMENT	CON- CRETE CU.YDS
		C	d		TOP	BOTTOM	
I	12" STD. AT 65.42	2'-1"	2'-9"	7'-0" x 14'-6"	7 - #5 BARS	7 - #6 BARS	10.9
11	14" O.D. AT 72.09	2'-2"	6'-2"	8'-0" x 16'-0"	8 - #5 BARS	9 - #6 BARS	13.2
111	16" O.D. AT 82.77	2'-4"	6'-7"	8'-6" x 17'-6"	9 - #5 BARS	9 - #7 BARS	15.2
I۷	18" O.D. AT 93.45	2'-6"	7'-1"	9'-6" x 19'-0"	10 - #5 BARS	10 - #8 BARS	18.1
٧	20" D.D. AT 104.13	2'-11"	7'-8"	10'-0" x 20'-0"	10 - #5 BARS	10 - #8 BARS	20.6
٧I	24" D.D. AT 125.49	3'-5"	8'-3"	10'-6" x 21'-0"	11 - #5 BARS	11 - #8 BARS	23.3
VII	24" O.D. AT 125.49	3'-5"	8'-6"	11'-0" x 22'-0"	11 - #5 BARS	11 - #9 BARS	25.1

 $\ensuremath{\boldsymbol{\#}}$ base plates, pedestal, and footings longer sides shall be normal to axis of sign.

GENERAL NOTES:

A TAPERED TUBE OF EQUILVALENT SIZE AND THICKNESS MAY BE SUBSTITUTED FOR PIPE POST.

ALL STRUCTURES SHALL BE GROUNDED.

BURR THREADS ON ALL ANCHOR BOLTS.

PIPE COLUMN, BASE PLATE, ANCHOR BOLTS AND NOTES PERTAINING TO THESE ITEMS HAVE BEEN OBLITTED FOR CLARITY. REFER TO SHEET NO. 4 OF 8 FOR DETAILS OF THESE ITEMS.

GROUND LUGS SHALL BE LOCATED INSIDE COLUMN NEAR HAND HOLE. QUANTITIES FOR PEDESTAL. BASED ON NOMINAL HEIGHT OF 5'-2". QUANTITIES FOR FOOTING. BASED ON NOMINAL DEPTH OF 2'-0".

QUANTITIES SHOWN ARE FOR ONE COLUMN ONLY.

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